Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/07/2021 09:21 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125130	0	0.93	125035	0.93
Blue	F	SSC	125000	125671	0	2.17	125997	2.02
Blue	E	FITC	13131	12743	-3	2.00	295	15.68
Blue	D	PE	24112	24017	-1	1.39	552	10.29
Blue	B	PerCP-Cy5-5	31295	30914	-2	2.78	1023	14.19
Blue	A	PE-Cy7	19939	19896	-1	5.00	529	27.82
Red	C	APC	42122	41876	-1	2.75	1752	10.94
Red	A	APC-Cy7	22340	21750	-3	3.09	813	11.56
Violet	B	V450	7410	7189	-3	3.14	434	12.03
Violet	A	V500	28118	27085	-4	2.70	675	9.48

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23367	0.89	560	-9	N/A	N/A	Pass
Blue	F	SSC	58625	0.85	511	-1	N/A	N/A	Pass
Blue	E	FITC	53	54.62	481	-6	0.0395	82	Pass
Blue	D	PE	116	36.16	484	-4	0.4962	368	Pass
Blue	B	PerCP-Cy5-5	191	34.04	581	-5	0.0205	24	Pass
Blue	A	PE-Cy7	107	64.38	623	-5	0.0242	0	Pass
Red	C	APC	408	22.57	577	1	0.0303	148	Pass
Red	A	APC-Cy7	183	27.68	550	-1	0.0064	1238	Pass
Violet	B	V450	61	63.15	451	-2	0.0764	2940	Pass
Violet	A	V500	99	32.38	462	-3	0.0271	703	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.89	-31.63	1.14
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.42
Red	16.20	13.60 - 20.40	N/A	N/A	29.98	30.19	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10442

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments